

PATENT COOPERATION TREATY

PCT

CORRECTED

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

VER	510	X
CODE	DATE	NTD
UNKOM	07 MAR 2005	GIPS

Applicant's or agent's file reference 100993-1 WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/GB2004/002684	International filing date (day/month/year) 24/06/2004	(Earliest) Priority Date (day/month/year) 30/06/2003
Applicant ASTRAZENECA AB		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 06 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

FLUORESCENCE ASSAYS FOR NUCLEIC ACID POLYMERASE ACTIVITY.

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of Item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material



a sequence listing



table(s) related to the sequence listing

b. format of material



in written format



in computer readable form

c. time of filing/furnishing



contained in the international application as filed



filed together with the international application in computer readable form



furnished subsequently to this Authority for the purpose of search

2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/46714 A1 (UNIV. OF UTAH RES. FOUNDATION) 11 December 1997 (1997-12-11)	1-13,15
Y	abstract; claims 6,30 page 8, line 1 - page 12, line 22	16
X	MAUDRU T. ET AL.: "ADAPTATION OF THE FLUOROGENIC 5'-NUCLEASE CHEMISTRY TO A PCR-BASED REVERSE TRANSCRIPTASE ASSAY" BIOTECHNIQUES, EATON PUBLISHING, US, vol. 25, no. 6, December 1998 (1998-12), pages 972-975, XP001135067 ISSN: 0736-6205	1-4, 7-13,15
Y	the whole document ----- -/--	16

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

04. 03. 05

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/38587 A2 (GLAXO GROUP LIMITED) 31 May 2001 (2001-05-31) cited in the application abstract; claims 1,4-6,13,18,20-23,30,37-41,47 -----	1,7-10, 15,16
Y	WO 01/27318 A2 (QUIP TECHNOLOGY LIMITED) 19 April 2001 (2001-04-19) page 4, line 15 - page 5, line 10; claims 1,9 -----	1,7-10, 15,16
Y	US 5 635 349 A (LAMARCO K. ET AL.) 3 June 1997 (1997-06-03) abstract; claims 1-7 column 1, line 55 - column 2, line 16 -----	16
A	HIYOSHI M. ET AL.: "ASSAY OF DNA DENATURATION BY POLYMERASE CHAIN REACTION-DRIVEN FLUORESCENT LABEL INCORPORATION AND FLUORESCENCE RESONANCE ENERGY TRANSFER" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 221, no. 2, 1 September 1994 (1994-09-01), pages 306-311, XP000460389 ISSN: 0003-2697 cited in the application abstract; figure 1 -----	1-16
A	US 6 287 781 B1 (LEE M.A. ET AL.) 11 September 2001 (2001-09-11) abstract -----	1-16
A	TYAGI S. ET AL.: "MOLECULAR BEACONS: PROBES THAT FLUORESCCE UPON HYBRIDIZATION" BIO/TECHNOLOGY, NATURE PUBLISHING CO., vol. 14, March 1996 (1996-03), pages 303-308, XP002926498 ISSN: 0733-222X the whole document -----	1-16

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Information on patent family members

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			EP 1220951 A2 10-07-2002
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			AU 2538399 A 06-09-1999
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